

Siqura S-44 E

Features

- 4-channel MPEG-4 video server
- Triple streaming support for each video input
- Simultaneous DVD-quality MPEG-4 and MJPEG
- Compact design for high density video
- Duplex serial data
- Extended temperature range (-10° to +60° C)
- Video motion detection
- Password-protected web interface
- SNMPv2 and NTP support
- Multicast and UDP unicast
- Remotely upgradeable



Description

The Siqura® S-44 E MPEG-4 video encoder is a cost-effective, 4-channel solution with extended temperature range for IP video security applications. Utilizing the full power of MPEG-4, the S-44 E features low-bandwidth streaming of DVD-quality video at full frame rate.

Triple Streaming per Channel

The cost-effective S-44 E encoder dedicates one state-of-the-art video DSP per video input. Each DSP is capable of running two MPEG-4 encoders as well as an MJPEG encoder simultaneously for various applications: high-quality MPEG-4 for live viewing, reduced frame rate MPEG-4 for storage, and low-resolution JPEG images for web applications or remote devices (e.g., PDAs).

Serial Data

Combining streaming video with full-duplex serial RS422/485 data over IP, the S-44 E provides an interface for PTZ-control or access control. Each channel features an internal video motion

detector, which can be used for automated security solutions or event-triggered storage.

Fiber Option

The S-44 E is available with an optional pluggable SFP slot for connections via fiber optic cable (/SFP). A range of multimode or single-mode XNet™ SFP devices fit the empty SFP slot.

Web Interface

Configuration, management and live viewing of all four channels are simplified by the password-controlled web interface. Full in-band control is available through the Siqura® Software Suite. The S-44 E is field-upgradeable.

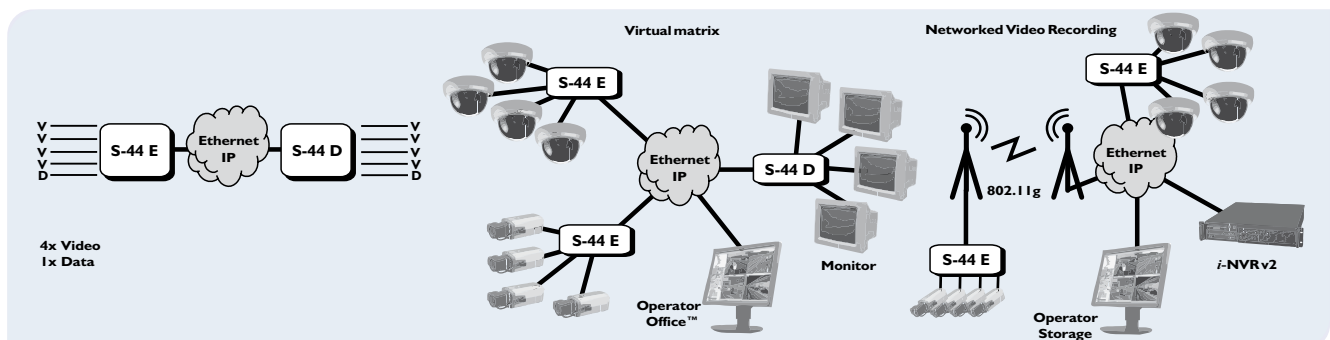
Siqura Surveillance Solutions

The Siqura S-44 E is part of Siqura, a complete offering of surveillance equipment and solutions. Siqura offers video codecs/servers, IP cameras, video management, network storage, and configuration software.

Ordering information

Model	Description	Housing	Managed
Siqura S-44 E	4-channel MPEG-4 video encoder/server with 2-way (PTZ) data, 10/100Mb	Rack-mount	SNMP/MX
Siqura S-44 E-SFP	4-channel MPEG-4 video encoder/server, 2-way data & an empty 100Mb SFP slot	Rack-mount	SNMP/MX
Siqura S-44 E /SA	Stand-alone version of rack-mount model	Stand-alone	SNMP/MX

Applications



Siquira S-44 E

Technical Specifications

Video

Video channels	4x PAL/NTSC (autodetect)	
Input level	1 Vpp (± 3 dB)	
Compression algorithm	MPEG-4 SP Layer 5 (ISO/IEC 14496-2), MJPEG	
Number of video streams	2x MPEG-4 and/or MJPEG per channel	
Number of destinations	10 (multi- and/or unicast) per channel	
Input impedance	75 Ω /Hi-Z selectable	
Encoding-decoding latency	<200 ms	
Resolution (HxV)	PAL	NTSC
D1	720x576	720x480
HD1	352x576	352x480
2CIF	720x288	720x240
CIF	352x288	352x240
QCIF	176x144	176x120
Frame rate	1 to 30 fps	
Data rate	9.6 kb/s to 6 Mb/s	
Video motion detection	Yes	
Connector type	4x BNC (75 Ω)	

Data

Number of channels	1x TX, 4x RX
Number of TX destinations	3 (multi- and/or unicast)
Interface	RS422/485 (2- or 4-wire)
Format	Asynchronous, serial
Data rate	300 b/s to 115 kb/s
Latency	<5 ms
Connector type	five-pin screw terminal

Transmission interface

Number of interfaces	1x
Interface	
S-44 E	10/100Base-TX Fast Ethernet (IEEE 802.3) Selectable: autonegotiation, half-duplex/full-duplex, 10/100 Mbps Optical interface slot for SFP devices
S-44 E-SFP	
Protocols	MPEG-4 ES, JPEG, RTP, RTCP, TCP, UDP, IP, DHCP, IGMPv2, RTSP, (S)NTP, MX/IP, HTTP, SNMP v2, FTP
Connector	RJ45

Powering

Power consumption	<9 W
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Management

LED status indicators	
DC	Power-on indicator
SYNC	All streams connected (green); failure in RX streams (amber); failure in TX streams (red)
NV	Video signal loss on input (red LED)
Ethernet port	Green LED: on=100 Mbps, off= 10 Mbps, Amber LED blinks with activity
Control	SNMP v2, MX™, HTTP (password protected), RTSP
On Screen Display	Video overlay: any position, displaying time/date or ASCII string

Environmental

Operating temperature	0° to +50° C (+32° F to +122° F)
Relative humidity	<95% (no condensation)
MTBF	>200,000 h
Safety & EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000 EN 50130-4, EN 50081-1, EN 55022, FCC part 15

Mechanical

Dimensions (h x w x d)	128 x 34 x 190 mm (5.04 x 1.34 x 7.5 in.)
Weight (approx.)	450 g (1 lb.)
Housing	Rack-mount or stand-alone (/SA)